

INTERNATIONAL SEARCH REPORT

Inte - d Application No

PC., 2005/000522

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C23C16/40 C23C16/34 C23C16/30 C23C16/448

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/010466 A (ASML US, INC; SENZAKI, YOSHIHIDE; LEE, SANG-IN; AVIZA TECHNOLOGY, INC) 29 January 2004 (2004-01-29) page 6, line 32 - page 8, line 33; claims 1-6,8-13,22	1-18
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 06, 4 June 2002 (2002-06-04) -& JP 2002 053960 A (KOJUNDO CHEM LAB CO LTD), 19 February 2002 (2002-02-19) cited in the application abstract; table 1	1,4,5, 14,15,17
X	EP 1 028 458 A (TEXAS INSTRUMENTS INCORPORATED) 16 August 2000 (2000-08-16) paragraph '0014! - paragraph '0015!; claims 1,3,4,7,8	1,3-8, 12-15,17

-/--

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

26 May 2005

Date of mailing of the international search report

07/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Lavéant, P

INTERNATIONAL SEARCH REPORT

In
Application No
PCT/JP2005/000522

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 470 398 A (SHIBUYA ET AL) 28 November 1995 (1995-11-28) column 2, line 16 - line 40; claims 1,2	1,3-5,7, 9,10, 13-15,17
X	OHSHITA Y ET AL: "Hf1-xSixO2 deposition by metal organic chemical vapor deposition using the Hf(Net2)4/SiH(Net2)3/O2 gas system" PREPARATION AND CHARACTERIZATION, ELSEVIER SEQUOIA, NL, vol. 416, no. 1-2, 2 September 2002 (2002-09-02), pages 208-211, XP004389754 ISSN: 0040-6090 page 208, column 2, line 13 - page 210, column 2, line 8; figure 1	1,3-8, 12-15,17
P,X	US 2004/198069 A1 (METZNER CRAIG ET AL) 7 October 2004 (2004-10-07) paragraph '0069! - paragraph '0076! paragraph '0096! - paragraph '0115!; claims 1-25	1-18

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/000522

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004010466	A	29-01-2004	AU 2003249254 A1	09-02-2004
			EP 1523765 A2	20-04-2005
			WO 2004010466 A2	29-01-2004
			US 2005012089 A1	20-01-2005
JP 2002053960	A	19-02-2002	NONE	
EP 1028458	A	16-08-2000	EP 1028458 A2	16-08-2000
			JP 2000208508 A	28-07-2000
			KR 2000052627 A	25-08-2000
			TW 440970 B	16-06-2001
			US 2003215995 A1	20-11-2003
			US 6544875 B1	08-04-2003
US 5470398	A	28-11-1995	JP 5021749 A	29-01-1993
US 2004198069	A1	07-10-2004	WO 2004094691 A1	04-11-2004